

TRESU MaxiPrint

Reduced cleaning time and improved quality consistency

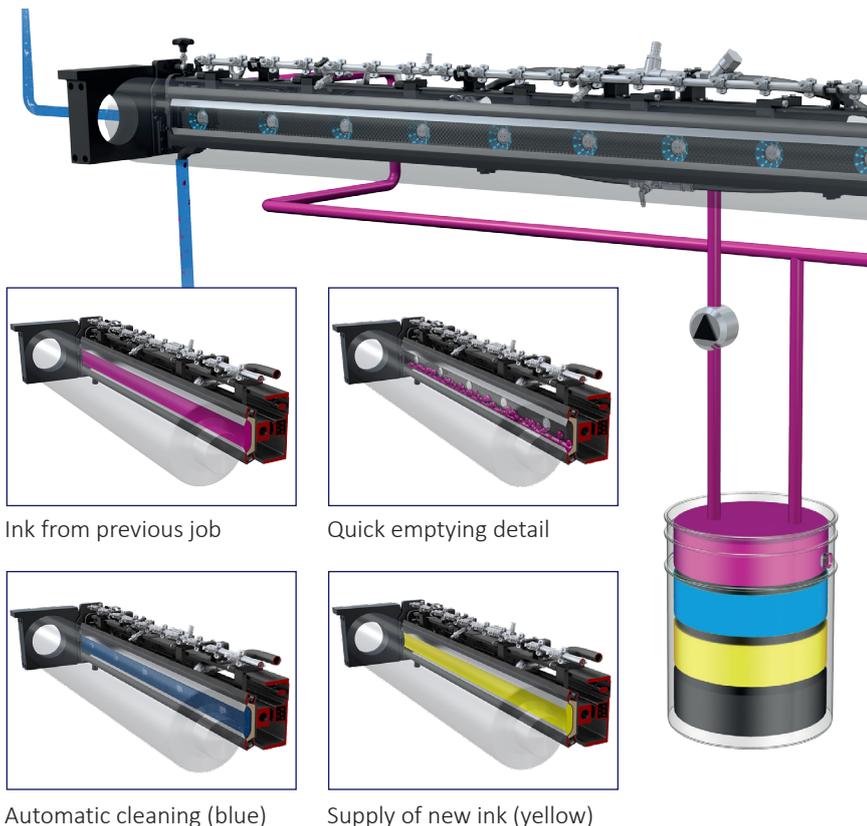


Automated chamber doctor blade system for wide web and corrugated flexo applications.

- Compact design integrates with most printing presses
- Complete ink change and cleaning cycle down to 3 min.
- Fast job changeovers
- Fast emptying of chamber
- Efficient cleaning with integrated spray nozzles and water shot mechanism
- Improved color consistency
- Reduced ink loss
- TRESU P-Line pneumatic clamping system for a fast and safe blade exchange
- Manufactured in aluminum with ceramic CFX surface protection or in lightweight carbon fiber CFC with an ink-repellent surface
- Precision engineered for OEM solutions or retrofit projects
- Available in widths from 1,000 to 6,000 mm.

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Ink from previous job

Quick emptying detail

Automatic cleaning (blue)

Supply of new ink (yellow)

The TRESU MaxiPrint Concept is comprised of a chamber doctor blade system, an ink supply system and a cleaning system. The concept is suited for wide-web and corrugated flexo applications and the CFC version offers an ink-repellent surface with protection against ink and detergents with high and low pH-values and on top of this a fast, automatic internal cleaning; improved quality consistency and reduced ink loss.

The TRESU chamber offers significantly faster emptying performance compared with alternative chambers, because the ink or coating fluid is evacuated through both the chamber's inlet and outlet. The fast drainage of the chamber, further assisted by rounded internal surfaces, facilitates thorough cleaning: the subsequent washing process can begin before any residue can dry on the anilox roll or inside the chamber. The ink change and cleaning cycle is typically completed within approximately 3-5 minutes.

Available in widths of 1,000 mm to 6,000 mm, the robust chamber design features integrated cleaning nozzles with a robustly designed water shot mechanism, to ensure efficient cleaning of the chamber and anilox roll in a short time. The water shot mechanism maintains a low pressure, limiting water loss during the cleaning cycle.

Surface and materials:

the MaxiPrint concept chambers are available in aluminum with ceramic surfaces (CFX) or in lightweight carbon-fibre (CFC) materials, offering protection against alkaline corrosion up to pH12. Carbon fibre chambers are lighter and offer safer handling than the ceramic alternative. The CFC chamber's curved inner surface minimizes volume, controls discharge, and enables perfect cleaning.

Suspension:

TRESU UniPrint C-Suspension is compact and stable keeping the MaxiPrint Concept chambers in place. The UniPrint C-Suspension offers high stability at high print speeds, and in limited space, making it perfect for retrofit projects. The UniPrint C-Suspension has a pneumatically or mechanical (chamber) loading arm at each machine frame.

Clamping system:

The TRESU P-Line pneumatic clamping system ensures fast and safe one-touch blade exchange. To release the doctor blades a pneumatic switch is simply activated and the blades can be removed and exchanged – all within 2 minutes.

Options:

The optional exterior TRESU Spray Bar ensures efficient exterior moistening of anilox roller and doctor blades during the cleaning process.

